



19J6

MEDIUM-MU TWIN TRIODE

MINIATURE TYPE

19J6

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 18.9 ac or dc volts

Current. 0.15 amp

Direct Interelectrode Capacitances (Each unit, approx.):^oGrid to Plate. 1.5 $\mu\mu\text{f}$ Grid to Cathode. 2.0 $\mu\mu\text{f}$ Plate to Cathode. 0.4 $\mu\mu\text{f}$ ^o With no external shield.**Mechanical:**

Mounting Position. Any

Maximum Overall Length. 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (excluding tip) 1-1/2" $\pm$ 3/32"

Maximum Diameter. 3/4"

Bulb T-5-1/2

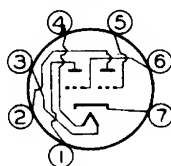
Base Small-Button Miniature 7-Pin

Basing Designation for BOTTOM VIEW. 7BF

Pin 1 - Plate of
Triode No.2Pin 2 - Plate of
Triode No.1

Pin 3 - Heater

Pin 4 - Heater

Pin 5 - Grid of
Triode No.1Pin 6 - Grid of
Triode No.2

Pin 7 - Cathode

AMPLIFIER - Class A₁

Values are for each unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

PLATE DISSIPATION. 1.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 90 max. volts

Heater positive with respect to cathode. 90 max. volts

Characteristics:

Plate Voltage. 100 . . . volts

Cathode-Bias Resistor[▲]. 50[◆] . . . ohms

Amplification Factor 38

Plate Resistance 7100 . . . ohms

Transconductance 5300 . . . μmhos

Plate Current. 8.5 . . . ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation 0.5 max. megohm

[▲], [◆]: See next page.

NOV. 15, 1948

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

19J6



19J6

MEDIUM-MU TWIN TRIODE

MIXER SERVICE*Values are for each unit***Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE	300 max.	volts
PLATE DISSIPATION	1.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode. .	90 max.	volts
Heater negative with respect to cathode. .	90 max.	volts

Characteristics:

Plate Voltage.	150	volts
Cathode-Bias Resistor [▲]	810 [†]	ohms
Oscillator Peak Voltage.	3	volts
Plate Resistance	10200	ohms
Conversion Transconductance.	1900	μmhos
Short-Circuit Input Conductance		
at 100 Mc	96	μmhos
Plate Current.	4.8	ma

Maximum Circuit Values (for maximum rated conditions):**Grid-Circuit Resistance:**

For cathode-bias operation	0.5 max.	megohm
--------------------------------------	----------	--------

[▲] operation with fixed bias is not recommended.[♦] value is for both units operating at the specified conditions.[†] For one unit, with other unit not operating. When both units are operating, the value of cathode-bias resistor is determined by the total cathode current of both units.

NOV. 15, 1948

TUBE DEPARTMENT

TENTATIVE DATA

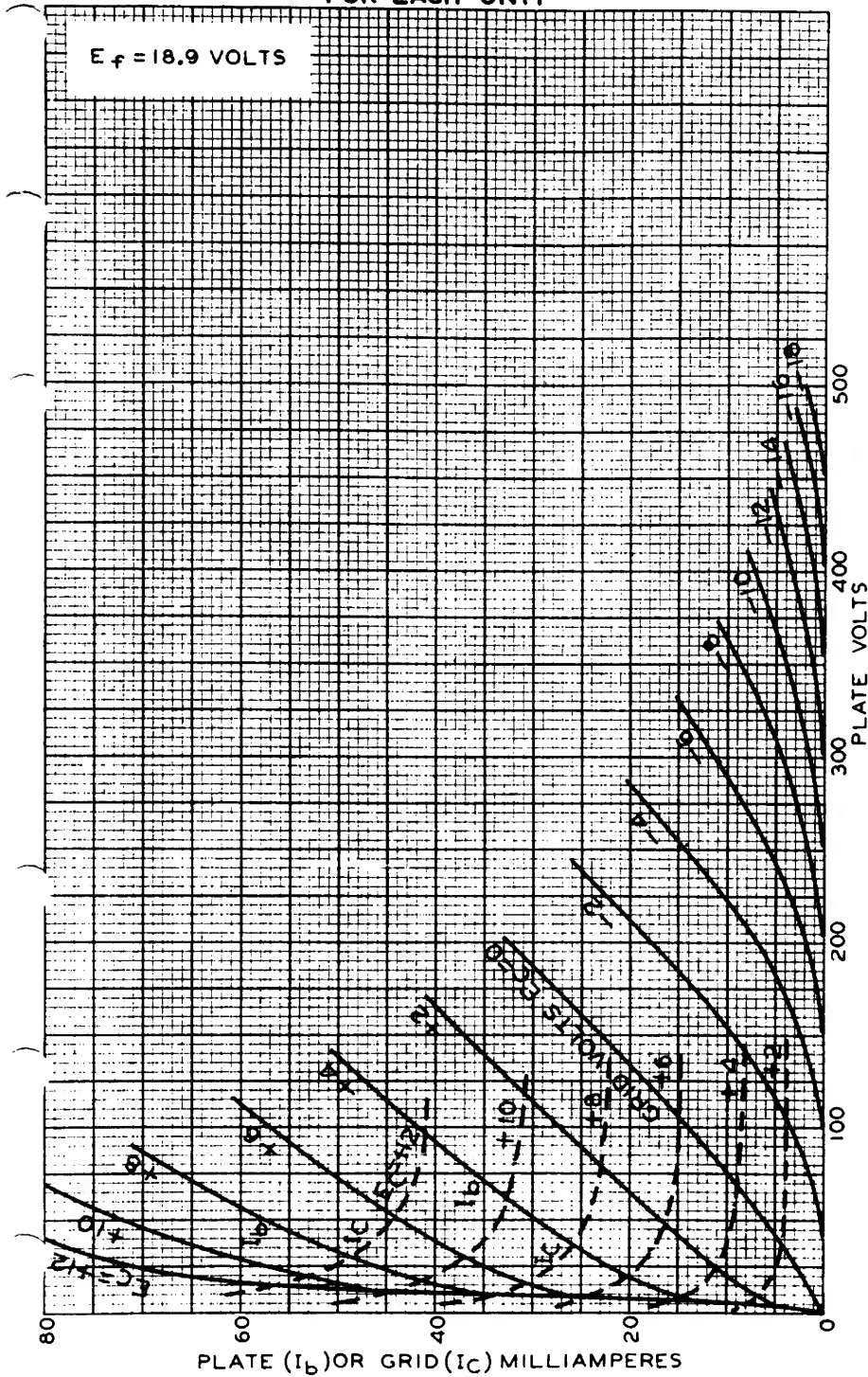
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



19J6

19J6

AVERAGE PLATE CHARACTERISTICS FOR EACH UNIT



AUG. 18, 1948

TUBE DEPARTMENT

92CM-7061

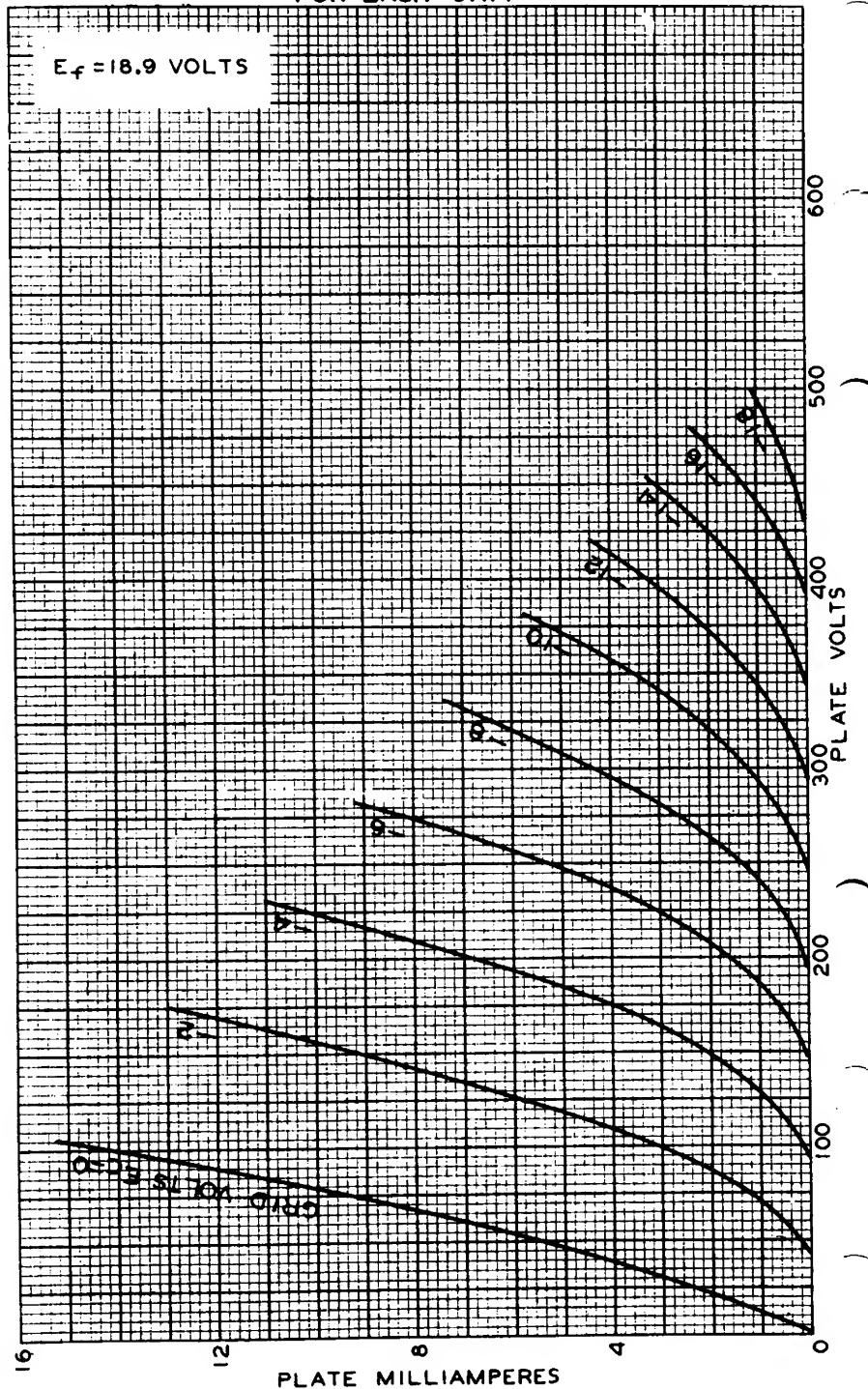
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

19J6



19J6

AVERAGE PLATE CHARACTERISTICS FOR EACH UNIT



AUG. 18, 1948

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-7060